

DOCUMENTED CHROMOSOME NUMBERS OF PLANTS

(See Madroño 9:257-258. 1949; 17:255. 1964)

- Astranthium condimentum* De Jong. $n = 3$. Mexico, Jalisco, Mazamitla. *D. C. D. De Jong 1675*, MU; Michoacan, near Quiroga, *D. C. D. De Jong 1656*, MU; Michoacan, near Ario de Rosales. *D. C. D. De Jong 1657*, MU.
- A. orthopodium* (Robins. & Fern.) Larsen. $n = 3$. Mexico, Chihuahua, near Madera. *D. C. D. De Jong 1769*, MU; Durango, near Hacienda Coyotes. *D. C. D. De Jong 1382*, MU.
- A. purpurascens* (Robins.) Larsen. $n = 8$. Mexico, Chiapas, between Comitán and San Nicolás. *D. C. D. De Jong 1419*, MU; Chiapas, between Teopisca and San Cristóbal las Casas. *D. C. D. De Jong 1438*, MU; Hidalgo, Puerto de Horcones. *D. C. D. De Jong 1584*, MU; Hidalgo, near Jacala. *D. C. D. De Jong 1585*, MU.
- A. xanthocomoides* (Less.) Larsen. $n = 8$. Mexico, Hidalgo, Elvado. *D. C. D. De Jong 1535*, MU; Hidalgo, Real del Monte. *D. C. D. De Jong 1550*, MU; Puebla, Laguna de Atezca. *D. C. D. De Jong 1594*, MU; Veracruz, near Magueyotos. *D. C. D. De Jong 1607*, MU.
- A. xylopodum* Larsen. $n = 5$. Mexico, Nayarit, near Compostela. *D. C. D. De Jong 1690*, MU.
- Baileya multiradiata* Torr. $n = 16$. Mexico, Chihuahua, near Ciudad Chihuahua. *D. C. D. De Jong 1377*, MU.
- Buddleia skutchii* Morton. $2n = ca. 38_{II}$. Mexico, Chiapas, Chamula. *D. E. Breedlove 6654*, DS, F. Counted by D. W. Kyhos.
- Chlorogalum pomeridianum* (DC.) Kunth. $n = 15$. California, Fresno Co. *H. M. Beard & W. Roderick*, 1961, JEPS. Counted by M. S. Cave.
- Cleome spinosa* Jacq. $2n = 10_{II}$. Mexico, Chiapas, Tuxtla Gutierrez. *D. E. Breedlove 9193*, DS, F. One pair was twice the size of the others as in the tetraploid *Cleome isomeris* (Nutt.) Greene (*Isomeris arborea* Nutt.). Counted by D. W. Kyhos.
- Coriaria thymifolia* Hum. & Bonpl. ex Willd. $2n = 20_{II}$. Mexico, Chiapas, Zinacantan. *P. H. Raven & D. E. Breedlove 20142*, DS. Fig. 1. Counted by D. W. Kyhos.



FIG. 1. *Coriaria thymifolia*, $\times 1470$.

- Erythronium tuolumnense* Appleg. $n = 12$. California, Tuolumne Co. *W. Roderick*, 1962, JEPS. Counted by M. S. Cave.
- Galphimia glauca* Cav. $n = 6$. Mexico, Chiapas, Pinola. *D. E. Breedlove 7072*, DS, F. Very large chromosomes. Adds a third basic number to the two ($x = 9, 10$) already known for the Malphiaceae and suggests that the counts of $n = 12$ in this family are tetraploid. Counted by D. W. Kyhos.
- Microspermum debile* Benth. $n = 12$. Mexico, Oaxaca, Ixtlán de Juárez. *D. C. D. De Jong 1481*, MU.

- Narthecium californicum* Baker. n = 13. Oregon, Josephine Co. *W. Roderick*, 1962, JEPS; *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- Olivaea leptocarpa* De Jong & Beaman. n = 6. Mexico, Durango, near J. G. Aguilera. *D. C. D. De Jong 1754*, MU; *D. C. D. De Jong 1760*, MU.
- O. tricuspis* Sch.-Bip. ex Benth. n = 6. Mexico, Jalisco, near Acatlan. *D. C. D. De Jong 1687*, MU; Jalisco, near Guadalajara. *D. C. D. De Jong 1688*, MU; State of Mexico, near Toluca. *D. C. D. De Jong 1619*, MU; *D. C. D. De Jong 1650*, MU; State of Mexico, Del Rio. *D. C. D. De Jong 1647*, MU; Nayarit, Tepic. *D. C. D. De Jong 1693*, MU.
- Schoenolirion album* Dur. n = 26. California, Plumas Co. *G. E. See*, 1957, JEPS. Counted by M. S. Cave.
- Spiranthes gracilis* (Bigel.) Beck. n = 15. Florida, Hillsborough Co. *R. W. Long 1168*, USF. Counted by M. S. Cave.
- Stenanthium occidentale* Gray. n = 8. California, Siskiyou Co. *W. Roderick*, 1962, JEPS; *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- Tofieldia glutinosa* (Michx.) Pers. ssp. *occidentalis* (Wats.) Hitch. n = 15. Oregon, Josephine Co. *W. Roderick*, 1962, JEPS. Counted by M. S. Cave.
- Veratrum californicum* Dur. n = 16. California, Alpine Co. *W. Roderick*, 1965, JEPS; Eldorado Co. *H. G. Baker*, 1965, JEPS. Counted by M. S. Cave.
- V. fimbriatum* Gray. n = 16. California, Mendocino Co. *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- V. insolitum* Jeps. n = 16. California, Siskiyou Co. *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.
- Xerophyllum tenax* (Pursh) Nutt. n = 15. California, Mendocino Co. *W. Roderick*, 1965, JEPS. Counted by M. S. Cave.

REVIEWS

THE HUNT BOTANICAL LIBRARY AND ITS PUBLICATIONS.—The institution known as the Rachel McMasters Miller Hunt Botanical Library is the lengthened shadow of not only Rachel McMasters Miller Hunt but also of its director, George H. M. Lawrence. The history of the Library has been told well in *The Rachel McMasters Miller Hunt Botanical Library* (1961). The Library is a relatively new institution and has been housed in its present location in the penthouse of the Hunt Library on the campus of the Carnegie Institute of Technology in Pittsburgh since 1961. The setting and decor of the penthouse are truly beautiful and are a fitting place for the care and study of Mrs. Hunt's collection of incunabula, rare botanical and horticultural books, botanical prints, letters, manuscripts, and fine bindings.

Mrs. Hunt's interest in botany stemmed from her early girlhood—at the age of six she was given a copy of Mrs. Dana's *How to Know Wildflowers*. With the passing years as Mrs. Hunt acquired more and more rare works she realized that her collection was in many ways unique in North America. Her first steps toward sharing her collection with others resulted in the magnificent two volume *Catalogue of Botanical Books in the Collection of Rachel McMasters Miller Hunt* (1958, 1961). These two volumes deal with 764 works dating from about 1150 through 1800. The *Catalogue* was issued in a limited edition of 750 copies. Volume I was compiled by Jane Quinby, Mrs. Hunt's friend and librarian, and contains chapters by Harold W. Rickett, John F. Fulton, Paul B. Sears, Wilfrid Blunt, and Margaret B. Stillwell: Volume II, which is in two parts, was compiled by Allan Stevenson and contains introductory material prepared by Gordon Dunthorne, John S. Gilmour, and William T. Stearn. The volumes of the *Catalogue* are beautifully done with respect to printing, composition, paper, and binding.